

NO NEW MATTER HAS BEEN ADDED-MARKED UN-COPY

DETAILED DESCRIPTION

According to Figure 1 this device consists of a bottom or base section (100), a clamp (200), a spindle 300, which is threaded on both ends (300), a spring (400) and a T handle (500). The bottom section (100) is approximately 11 3/4" inches long by one-half inch thick. The bottom section has a width of approximately 4 3/8" inches. Figure 8 is an exploded view of the device and shows the recessed grooves (220) on the underside of the clamp (200).

In the center of the base section there is a tapped and threaded hole 600, which is approximately one-half inch in diameter (600) (Figure 1).

One end of the threaded spindle (300), is screwed into the hole (600) on the bottom section. The spindle (300) extends through a hole in the center of the clamp (200) and through a hole in the center (510) of the T handle (300). It is secured in place by a hex nut (700).

On the top of the bottom or base section (600) two recessed concentric circles, (800 and 900), are formed on the top surface of the base section. These concentric circles allow a quart and pint jar to be securely positioned in the device. According to Figure 1, a pint size and quart size can have been drawn to demonstrate the placement within the recessed concentric circles.

The recessed concentric circles (800, 900) are slightly greater than the diameter of the bottom of each of the size cans

NO NEW MATTER HAS BEEN ADDED-MARKED UP COPY

1 so that the cans will fit securely in the respective recessed
2
3 concentric circle on the top surface of the base section of the
4
5 device. The concentric circles are recessed to a depth of .187
6
7 inches for the quart size and .375 inches for the pint size can.

8
9 The indented circle to secure the pint size can 800 is
10
11 indented to a greater depth so that the bottom of the pint size
12
13 can will rest flush against the top surface of the base. The
14
15 indented circle to secure the quart size can 900 is indented to a
16
17 lesser depth so that the bottom of the quart size can will rest on
18
19 the top surface of the base. This arrangement of one circle
20
21 within another gives the appearance of concentric circles, which
22
23 are offset from each other.

24
25 There are two sets of identical recessed concentric circles
26
27 on each side of the base section as depicted in Figure 1 and are
28
29 equally spaced from the midpoint of the base section. Figure 6
30
31 shows a pint size can in place and the recessed ring for the quart
32
33 size can.

34
35 A spindle 300, which is secured in the hole at the bottom of
36
37 the base section as depicted in Figure 1 +600+ is inserted into
38
39 the hole +600+ which has been tapped and threaded in the center of
40
41 the base section and the spindle is secured at the top by a hex
42
43 nut +700+. The spindle is approximately 8 1/4" inches long and is
44
45 threaded at both ends.

46
47 The device may be made from a variety of materials, but
48
49 stainless steel is preferable because it is non-corrosive and
50

NO NEW MATTER HAS BEEN ADDED-MARKED UP COPY

1 durable. It may also be made from aluminum or molded plastic
2
3 depending on the specific needs of a job.
4

5 The spindle is screwed into the hole +600+ in the middle of
6 the base section and is inserted through the hole in the center of
7 the clamp +200+ and through the hole in the center of the T
8 handle +500+. A spring +400+ is inserted over the spindle and is
9 positioned between the top surface of the clamp and the bottom
10 surface of the T handle.
11
12
13
14
15

16 The T-shaped handle +500+ is approximately 5" inches in
17 length. This will allow the tradesman to pick up this device with
18 one hand.
19
20
21

22 Between the T-handle and the base section there is a clamp
23 +200+ (Figure 1). A hole in the middle of the clamp allows the
24 spindle to pass through the center of the clamp. The hole in the
25 middle of the clamp is approximately one-half inch in diameter.
26
27 The spindle is inserted through the middle of the clamp. The
28 clamp freely moves up and down in a vertical fashion once the
29 device is assembled. The clamp is approximately 2 3/16 inches in
30 length. The clamp is equipped with one inch +210+ rods, which are
31 inserted into a hole, which has been tapped and threaded on each
32 side of the clamp. A lock nut +215+ secures the rods +210+ in
33 place. These rods allow the tradesman to pull the clamp up and
34 remove the can(s) easily. The rods +210+ extend approximately one
35 inch from the sides of the clamp and are perpendicular to the
36 sides of the clamp.
37
38
39
40
41
42
43
44
45
46
47
48
49
50

NO NE. MATTER HAS BEEN ADDED-MARKED UN COPY

1 On the bottom surface of the clamp (200) recessed grooves
2
3 (220) have been placed on the underside of the clamp (Figure 8).
4
5 The recessed curved grooves have the following approximate
6
7 dimensions: 3/16 width, 3/16 diameter with a 1-inch radius. They
8
9 are approximately 1 3/8 inches apart on the underside of the
10
11 clamp.

12
13 The purpose of the recessed grooves (200) is to allow this
14
15 device to be clamped to the top lid of the can so that the cans
16
17 are held securely in place by the downward pressure, which is
18
19 exerted by the spring (400).

20
21 Between the top of the clamp (200) and the underside of the
22
23 T-handle, a compression spring (400) is placed to force the clamp
24
25 on the top of the cans (Figure 1). Without this spring the cans
26
27 would not remain in place.

28
29 The specifics of the compression spring are not relevant to
30
31 this particular patent; however there must be sufficient downward
32
33 pressure on the cans to ensure a tight and secure placement of the
34
35 cans in the device.

36
37 It is contemplated that this device will be made from
38
39 durable, non-corrosive materials including but not limited to
40
41 stainless steel, aluminum and molded plastic.
42
43
44
45
46
47
48
49
50